

Energy Profile

Questionnaire Thermal Envelope

Building entity

Specification

Postcode

Year of construction

State displayed here: From year

Year of elevation Until year

Conditioned living area m²

Number of Blocks Dwellings

Houses Full storeys
(not including cellar and attic)

Room height m
(input only if < 2,30 m or > 2,70 m)

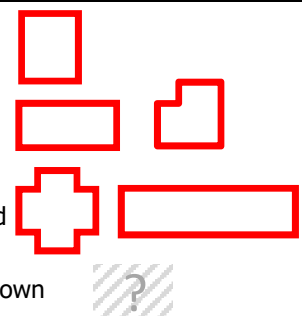
Attached neighbour buildings

- ☐ None (detached)
- ☐ On one side (semi-detached)
- ☐ On two sides (terraced)
- ☐ Not applicable / unknown



Floor shape / foot print

- ☐ Simple
- ☐ Standard / ordinary
- ☐ Complex or stretched
- ☐ not applicable / unknown



Attic

- ☐ Not available (flat roof or slightly tilted roof)
- ☐ Not heated
- ☐ Partly heated
- ☐ Completely heated
- ☐ Not applicable / unknown

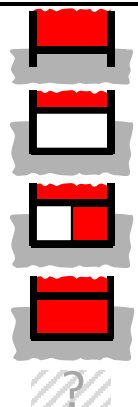


Roof shape

- ☐ Simple ☐ Dormers / Complex ☐ Unknown

Cellar / basement

- ☐ Cellar not available
- ☐ Not heated
- ☐ Partly heated
- ☐ Completely heated
- ☐ Not applicable / unknown



☐ Cellar floor and walls thermally insulated

Thermal envelope (non-transparent elements)

	Construction type		Insulation							On percentage of the area	
	Massive	Wood	None	Original	Refurbishment	not applicable / unknown	Year of refurbishment	Internal wall insulation	Insulation thickness		
Roof	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/> cm	<input type="text"/>	%
Top storey ceiling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/> cm	<input type="text"/>	%
Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/> cm	<input type="text"/>	%
Floor to cellar or soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/> cm	<input type="text"/>	%

In case of non-insulated walls:

Application of external insulation possible? ☐ Yes ☐ Partly ☐ No ☐ Not applicable / unknown

Windows

Percentage of the window area	Glazing					Frame	Passive house window (insulated frame + Low-E triple glazing)	Year of Installation or upgrade
	Single pane	Double pane	Triple pane	Not applicable / unknown	Low-E coating			
Main window type	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/> Wood <input type="radio"/> Plastic <input type="radio"/> Aluminium / steel <input type="radio"/> Other <input type="radio"/> Unknown	<input type="checkbox"/>	<input type="text"/>
Further window type <input type="text"/> % (Rest = main window type)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/> Wood <input type="radio"/> Plastic <input type="radio"/> Aluminium / steel <input type="radio"/> Other <input type="radio"/> Unknown	<input type="checkbox"/>	<input type="text"/>

(U ≤ 0.8 W/(m²K))

Building

Specification

Placement of heat generation (predominantly)

- ☐ District/city ☐ Apartment
☐ Block ☐ Room
☐ Building ☐ N/A

 Utilisation for
 Year of installation
 (rough / estimated)

Heat generation – central system (block, building or apartment)

Heat generators, feeding in a heat distribution system and providing heat for several rooms

☐ Boiler (oil or gas)

Fuel

- ☐ Natural gas
☐ Heating oil
☐ Liquefied gas ☐ N/A

Mode of operation

- ☐ Constant temperature
☐ Low temperature
☐ Condensing ☐ N/A

☐ Wood / solids boiler

Fuel

- ☐ Firewood ☐ Wood chips ☐ Other
☐ Wood pellets ☐ Coal ☐ N/A

☐ Heat pump

- ☐ supplemental
☐ direct electric

Heat source

- ☐ External air ☐ Exhaust air
☐ Soil / groundwater ☐ Cellar air ☐ N/A

☐ Direct electric central (one system for several rooms)☐ Thermal solar system☐ Combined heat and power (CHP)

Fuel

- ☐ Natural gas ☐ Heating oil ☐ Bio fuel ☐ Other ☐ N/A

☐ District heating

Fuel type

- ☐ Fossil fuel
☐ Biomass

Heat generation

- ☐ Heating station with boiler(s)
☐ Combined heat and power station

Year of installation

Year of installation

☐ Space heating buffer storage

- ☐ Electric immersion heater included
☐ Heating buffer storage located inside thermal envelope

☐ Space heating distribution pipes

- ☐ Partly outside thermal envelope (in unheated cellar or attic)
☐ Poor or incomplete pipe insulation
☐ Floor heating / low distribution temperatures

☐ Decentral space heating☐ Stoves

- ☐ Wood ☐ Gas
☐ Oil ☐ Coal ☐ N/A

☐ Electric space heaters☐ Off-peak electric night storage heater☐ Electrical heat pumps (split units)☐ Extra thick insulation of components

Thermal insulation of distribution pipes (double the diameter) and storages according to passive house recommendations

☐ DHW storage

- ☐ Electric immersion heater included
☐ DHW storage located inside thermal envelope

☐ DHW distribution pipes

- ☐ With circulation loop (second pipe)
☐ Partly outside thermal envelope (in unheated cellar or attic)
☐ Poor or incomplete pipe insulation

☐ Decentral DHW Systems☐ Decentral electrical storages☐ Instantaneous electrical water heater☐ Instantaneous gas water heater

Further Systems

☐ Ventilation system

- ☐ with heat recovery

☐ Photovoltaic system

- ☐ with battery storage